Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: P559872

Luminaire Tested: **SDL-PA1-100-750-U-SL3-HSS**

Issue Date: 7/26/2021

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P559872
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-100-750-U-SL3-HSS
Description:	Springdale
	(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8616.4 lumens
Efficiency:	N/A
Efficacy:	91.9 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G3

Input Watts (W):	93.8
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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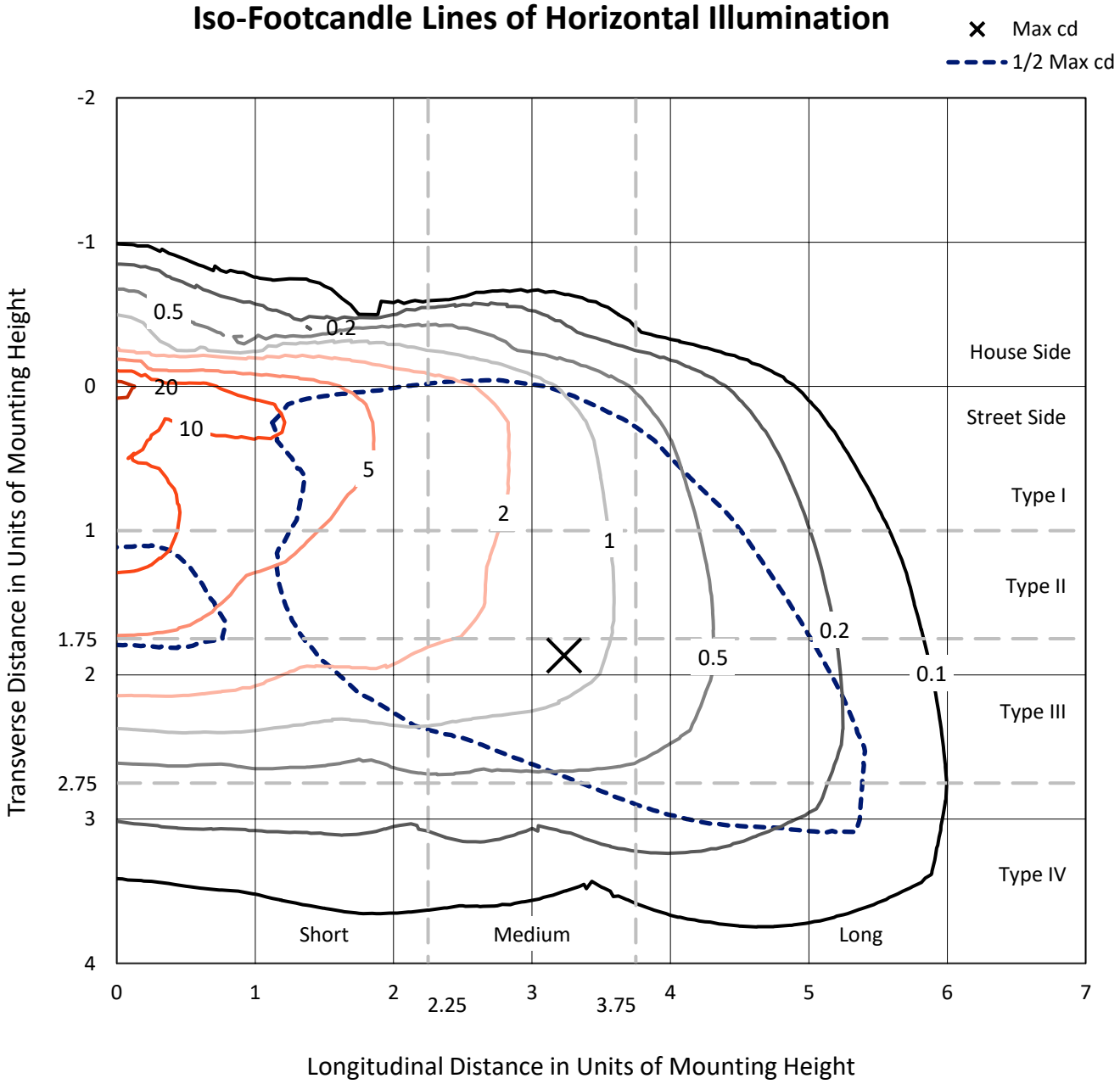
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 24.6 fc
Type IV - Medium - N/A

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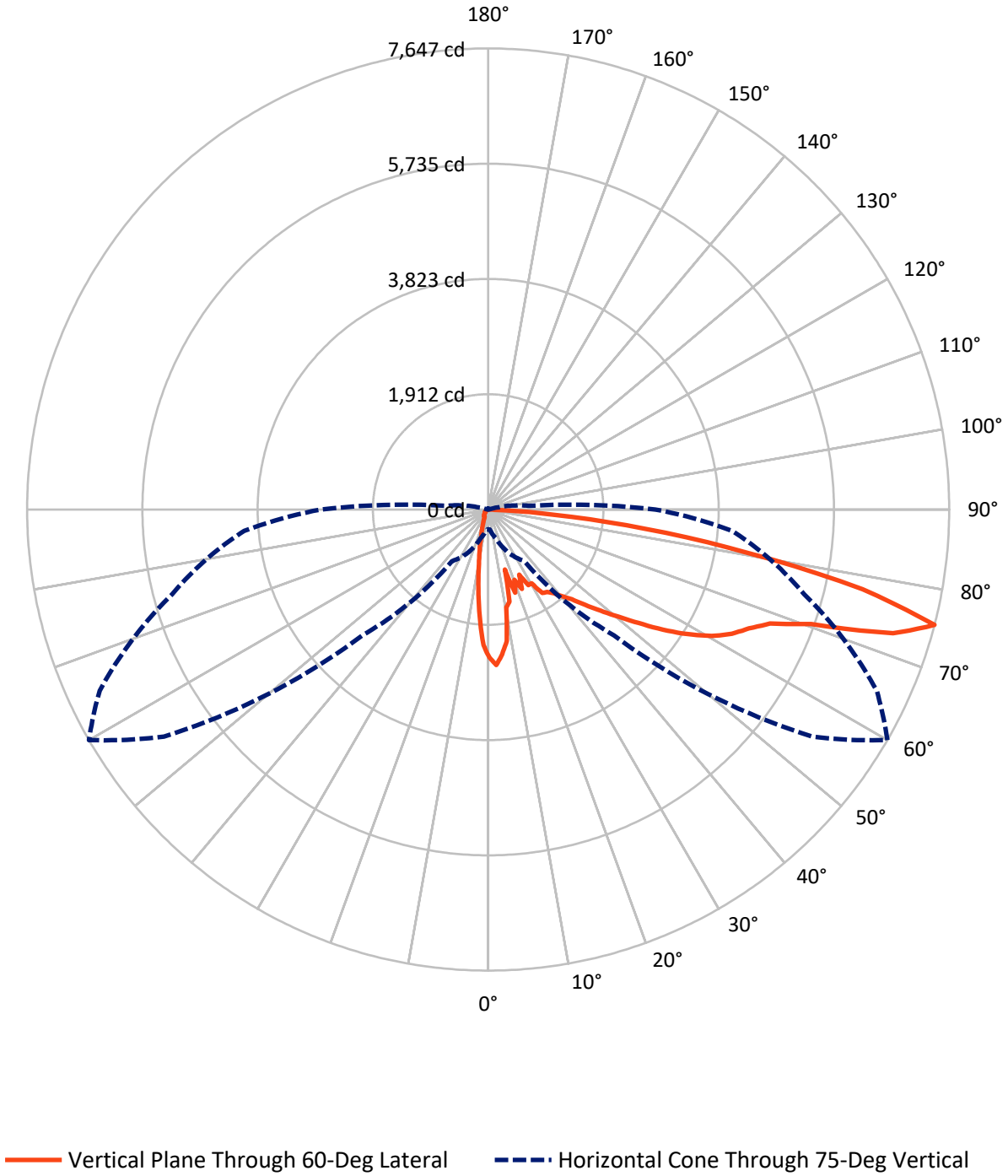
Luminous Intensity Polar Plot



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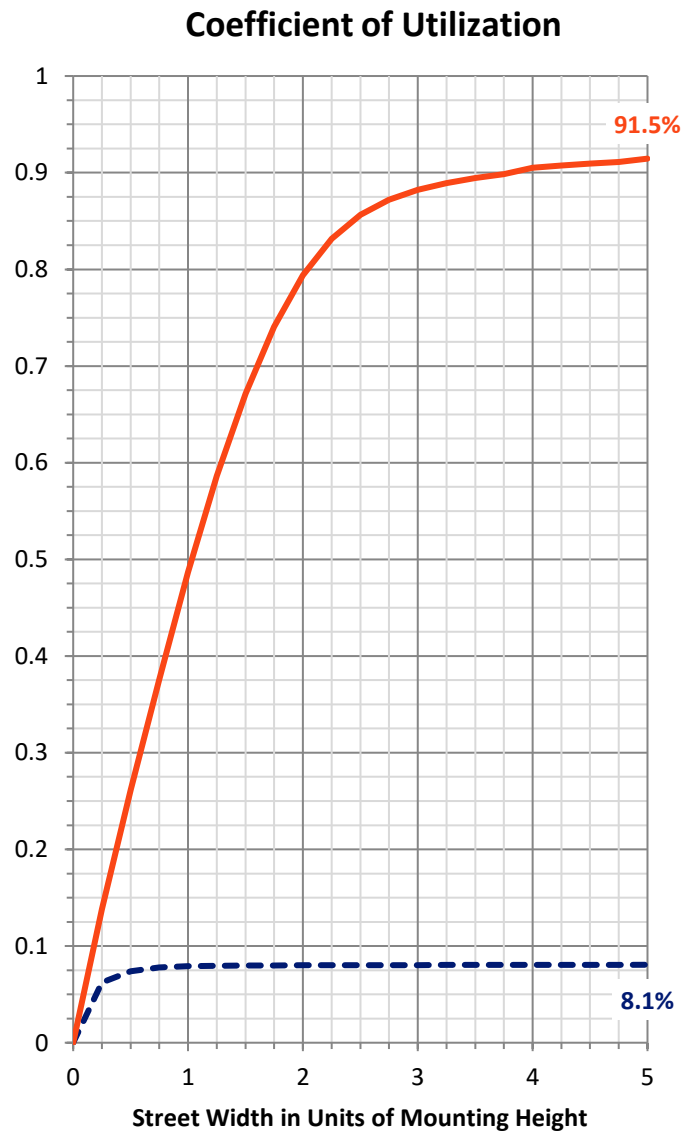
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	701.9	0.0	701.9
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	7914.5	0.0	7914.5
	% Fixture	91.9	0.0	91.9
Total	Lumens	8616.4	0.0	8616.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.8	2.0
10°-20°	281.9	3.3
20°-30°	403.9	4.7
30°-40°	719.1	8.3
40°-50°	1183.7	13.7
50°-60°	1825.1	21.2
60°-70°	2127.1	24.7
70°-80°	1648.4	19.1
80°-90°	257.4	3.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8616.4	100.0
0°-180°	8616.4	100.0



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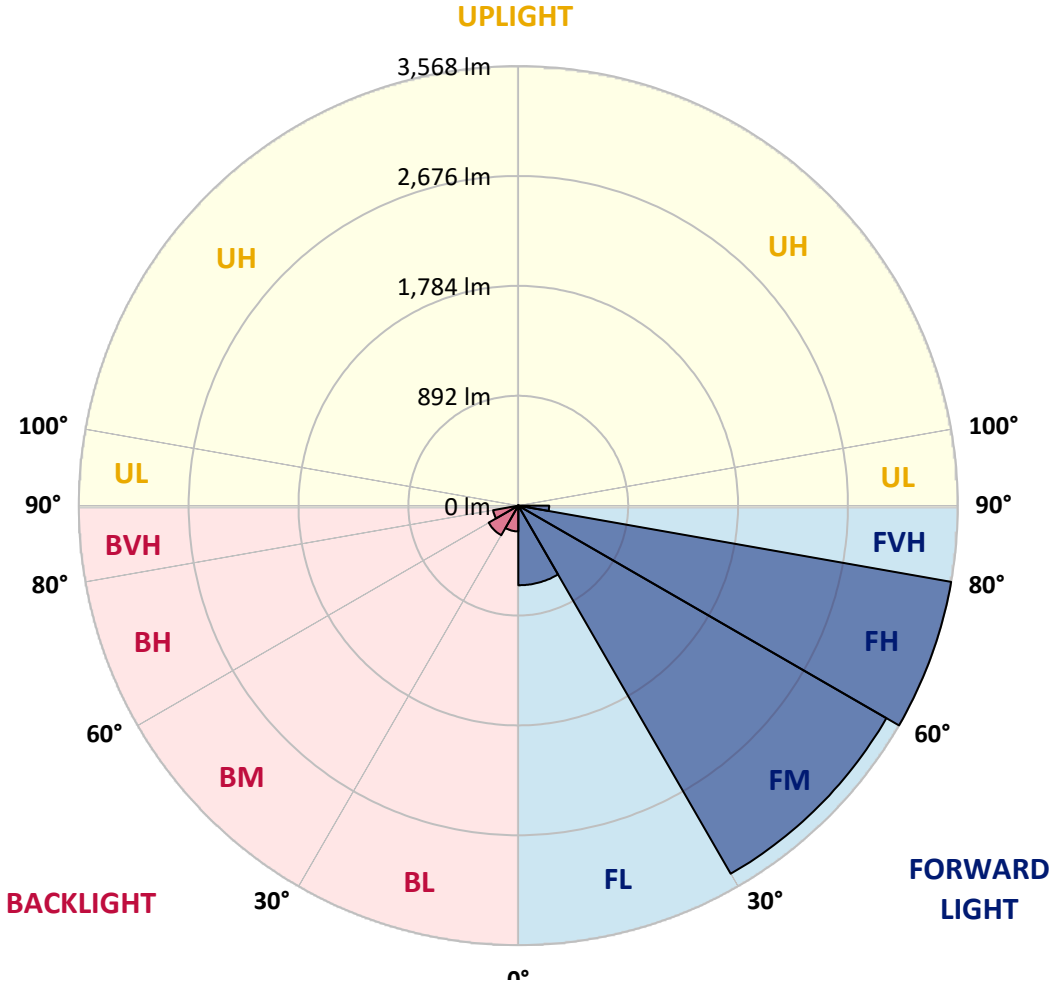
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	646.4	7.5			
FM	(30°-60°)	3450.0	40.0			
FH	(60°-80°)	3567.8	41.4			G2/5000
FVH	(80°-90°)	250.3	2.9			G3/500
BL	(0°-30°)	209.3	2.4	B1/500		
BM	(30°-60°)	277.9	3.2	B1/1000		
BH	(60°-80°)	207.7	2.4	B1/500		G1/500
BVH	(80°-90°)	7.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3
2.5°	2294.4	2380.5	2432.9	2481.5	2545.2	2608.8	2612.5	2616.3	2616.3	2616.3	2612.5
5°	2215.8	2223.3	2223.3	2223.3	2234.5	2245.7	2253.2	2257.0	2260.7	2260.7	2257.0
7.5°	1732.9	1871.4	1957.5	2039.9	2062.3	2084.8	2114.7	2140.9	2163.4	2182.1	2197.1
10°	1920.1	1935.1	1935.1	1931.3	1950.0	1965.0	1819.0	1669.3	1729.2	1789.1	1714.2
12.5°	1482.2	1557.0	1650.6	1740.4	1800.3	1860.2	1792.8	1725.5	1620.7	1512.1	1504.6
15°	1732.9	1744.2	1747.9	1751.7	1650.6	1545.8	1422.3	1295.0	1381.1	1467.2	1343.7
17.5°	1332.5	1343.7	1448.5	1553.3	1564.5	1575.7	1497.1	1414.8	1235.1	1055.5	1223.9
20°	1594.5	1601.9	1601.9	1601.9	1403.6	1205.2	1220.2	1231.4	1287.5	1343.7	1302.5
22.5°	1283.8	1268.8	1276.3	1280.1	1339.9	1396.1	1280.1	1160.3	1246.4	1328.7	1257.6
25°	1605.7	1609.4	1587.0	1560.8	1384.9	1205.2	1268.8	1328.7	1227.7	1122.9	1223.9
27.5°	1452.2	1437.3	1384.9	1332.5	1358.7	1384.9	1265.1	1141.6	1238.9	1332.5	1287.5
30°	1912.6	1905.1	1837.7	1766.6	1557.0	1343.7	1321.2	1295.0	1238.9	1179.0	1257.6
32.5°	2552.6	2462.8	2212.0	1957.5	1826.5	1691.8	1527.1	1362.4	1381.1	1396.1	1407.3
35°	2694.9	2653.7	2545.2	2436.6	2234.5	2028.6	1804.1	1575.7	1523.3	1470.9	1500.9
37.5°	2732.3	2717.3	2702.4	2683.6	2444.1	2204.6	1980.0	1751.7	1710.5	1665.6	1631.9
40°	2769.7	2784.7	2829.6	2870.8	2646.2	2421.6	2212.0	1998.7	1950.0	1901.4	1815.3
42.5°	2919.4	2930.7	2998.0	3065.4	2848.3	2627.5	2444.1	2260.7	2189.6	2118.5	2039.9
45°	3237.6	3248.8	3286.2	3323.7	3121.6	2915.7	2713.6	2507.7	2451.6	2391.7	2301.9
47.5°	3679.2	3690.5	3671.8	3653.0	3421.0	3185.2	2945.6	2706.1	2687.4	2668.7	2575.1
50°	4184.5	4169.6	4068.5	3967.4	3712.9	3458.4	3177.7	2893.2	2908.2	2923.2	2855.8
52.5°	4416.6	4409.1	4293.1	4177.0	3915.0	3649.3	3357.4	3061.7	3114.1	3162.7	3125.3
55°	4401.6	4397.9	4319.3	4240.7	3993.6	3746.6	3473.4	3200.2	3319.9	3436.0	3413.5
57.5°	4236.9	4244.4	4233.2	4222.0	4004.9	3787.8	3567.0	3346.1	3525.8	3701.7	3731.6
60°	3978.7	3978.7	4034.8	4087.2	3960.0	3829.0	3645.6	3458.4	3705.4	3952.5	4027.3
62.5°	3439.7	3499.6	3619.4	3739.1	3780.3	3821.5	3671.8	3522.0	3862.6	4203.2	4311.8
65°	2650.0	2676.2	2893.2	3110.3	3312.4	3510.8	3522.0	3533.3	4053.5	4570.0	4607.5
67.5°	1538.3	1646.9	1886.4	2122.2	2519.0	2912.0	3114.1	3316.2	4135.9	4951.8	4993.0
70°	808.5	853.4	969.4	1081.7	1437.3	1789.1	2290.6	2788.4	3945.0	5097.8	5457.1
72.5°	553.9	595.1	658.7	722.4	857.1	988.1	1347.4	1703.0	3140.3	4577.5	5692.9
75°	*325.6*	*336.9*	*415.5*	*494.1*	*640.0*	*786.0*	*917.0*	*1044.3*	*1998.7*	*2949.4*	*4757.2*
77.5°	131.0	142.2	175.9	209.6	415.5	617.6	752.3	887.1	1115.4	1343.7	3267.5
80°	71.1	71.1	86.1	97.3	187.1	273.2	505.3	737.3	849.6	961.9	2118.5
82.5°	41.2	41.2	52.4	59.9	93.6	127.3	288.2	449.1	662.5	872.1	1429.8
85°	15.0	15.0	18.7	22.5	44.9	63.6	104.8	142.2	411.7	677.5	823.4
87.5°	3.7	3.7	7.5	7.5	11.2	15.0	18.7	18.7	15.0	11.2	74.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2455.3	*2455.3*	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3
2.5°	2605.0	*2582.6*	2567.6	2541.4	2515.2	2492.8	2466.6	2432.9	2406.7	2373.0	2339.3
5°	2253.2	*2410.4*	2571.4	2556.4	2537.7	2485.3	2432.9	2373.0	2316.8	2249.5	2182.1
7.5°	2208.3	*2204.6*	2051.1	2129.7	2204.6	2144.7	2084.8	2017.4	1942.6	1811.5	1680.5
10°	1639.4	*1650.6*	1646.9	1665.6	1684.3	1732.9	1777.9	1680.5	1587.0	1381.1	1171.5
12.5°	1497.1	*1568.3*	1587.0	1459.7	1332.5	1384.9	1437.3	1339.9	1246.4	1055.5	864.6
15°	1216.4	*1033.0*	1295.0	1467.2	1635.6	1661.8	1684.3	1557.0	1407.3	1145.3	879.6
17.5°	1388.6	*1452.2*	1377.4	1381.1	1381.1	1384.9	1388.6	1272.6	1122.9	924.5	726.1
20°	1261.3	*1242.6*	1250.1	1373.6	1497.1	1579.5	1658.1	1482.2	1291.3	984.4	673.7
22.5°	1186.5	*1429.8*	1534.6	1482.2	1429.8	1298.8	1164.0	1029.3	872.1	718.6	561.4
25°	1321.2	*1194.0*	1276.3	1478.4	1680.5	1680.5	1680.5	1448.5	1190.2	860.9	531.5
27.5°	1242.6	*1418.5*	1500.9	1661.8	1819.0	1886.4	1950.0	1654.3	1313.7	905.8	494.1
30°	1336.2	*1418.5*	1710.5	2032.4	2354.3	2298.1	2238.2	1860.2	1429.8	950.7	471.6
32.5°	1418.5	*1650.6*	1908.9	2152.2	2395.4	2331.8	2264.4	1845.2	1362.4	857.1	351.8
35°	1530.8	*1680.5*	1920.1	2215.8	2511.5	2414.2	2313.1	1852.7	1310.0	786.0	262.0
37.5°	1598.2	*1762.9*	2021.2	2331.8	2638.7	2519.0	2399.2	1886.4	1265.1	733.6	202.1
40°	1725.5	*1890.1*	2148.4	2474.0	2799.7	2661.2	2519.0	1946.3	1238.9	703.7	168.4
42.5°	1961.3	*2036.1*	2324.3	2668.7	3013.0	2867.0	2717.3	2073.6	1231.4	688.7	146.0
45°	2208.3	*2257.0*	2511.5	2897.0	3278.8	3129.0	2975.6	2230.8	1257.6	699.9	138.5
47.5°	2477.8	*2504.0*	2736.0	3215.1	3694.2	3488.4	3282.5	2447.8	1313.7	722.4	131.0
50°	2788.4	*2788.4*	3013.0	3529.5	4046.0	3832.7	3619.4	2702.4	1384.9	756.1	127.3
52.5°	3084.1	*3125.3*	3297.5	3825.2	4353.0	4154.6	3952.5	2983.1	1478.4	801.0	119.8
55°	3387.3	*3518.3*	3581.9	4120.9	4659.9	4431.6	4203.2	3188.9	1534.6	823.4	112.3
57.5°	3761.6	*3900.1*	3933.8	4390.4	4847.0	4626.2	4401.6	3364.8	1575.7	842.1	108.5
60°	4102.2	*4259.4*	4326.8	4663.6	4996.7	4768.4	4540.1	3518.3	1613.2	857.1	97.3
62.5°	4416.6	*4536.4*	4641.2	4858.2	5075.3	4862.0	4644.9	3653.0	1635.6	860.9	86.1
65°	4644.9	*4753.4*	4903.2	5026.7	5150.2	4989.2	4828.3	3885.1	1699.3	883.3	63.6
67.5°	5030.4	*5041.6*	5127.7	5228.8	5329.8	5243.8	5157.7	4207.0	1774.1	913.3	48.7
70°	5812.7	*5685.4*	5573.1	5674.2	5771.5	5651.7	5532.0	4300.6	1601.9	819.7	37.4
72.5°	6808.3	*7021.6*	6478.9	6269.3	6056.0	5614.3	5168.9	3701.7	1137.8	583.9	29.9
75°	*6565.0*	*7646.7*	*7111.5*	*6269.3*	*5427.2*	*4746.0*	*4061.0*	*2777.2*	*699.9*	*363.1*	*22.5*
77.5°	5187.6	*6347.9*	6157.0	5288.7	4416.6	3578.2	2739.8	1706.7	247.0	134.7	22.5
80°	3275.0	*4390.4*	4225.7	3436.0	2642.5	1878.9	1115.4	520.3	93.6	59.9	26.2
82.5°	1987.5	*2616.3*	2054.8	1287.5	520.3	366.8	213.3	112.3	29.9	26.2	22.5
85°	965.7	*1081.7*	707.4	408.0	104.8	97.3	86.1	56.1	15.0	15.0	11.2
87.5°	134.7	*97.3*	59.9	41.2	18.7	18.7	18.7	11.2	11.2	11.2	7.5
90°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3	2455.3
2.5°	2313.1	2283.2	2249.5	2215.8	2178.4	2140.9	2032.4	1920.1	1860.2	1796.6	1781.6
5°	2058.6	1935.1	1781.6	1624.4	1557.0	1489.7	1456.0	1418.5	1396.1	1369.9	1347.4
7.5°	1508.4	1332.5	1332.5	1328.7	1272.6	1216.4	1152.8	1085.4	1044.3	1003.1	894.5
10°	1077.9	980.6	913.3	845.9	819.7	793.5	711.1	625.1	632.5	636.3	613.8
12.5°	834.7	801.0	677.5	553.9	512.8	471.6	445.4	419.2	381.8	344.3	318.1
15°	714.9	550.2	456.6	363.1	321.9	277.0	239.5	198.4	187.1	172.2	190.9
17.5°	587.6	445.4	355.6	265.7	205.9	146.0	153.5	160.9	175.9	190.9	198.4
20°	505.3	336.9	258.3	179.7	160.9	142.2	149.7	153.5	149.7	142.2	164.7
22.5°	411.7	262.0	198.4	131.0	134.7	138.5	127.3	116.0	138.5	160.9	160.9
25°	351.8	172.2	153.5	134.7	123.5	112.3	127.3	138.5	131.0	123.5	142.2
27.5°	321.9	149.7	131.0	112.3	116.0	119.8	116.0	108.5	119.8	131.0	127.3
30°	306.9	138.5	127.3	112.3	108.5	101.1	104.8	104.8	101.1	97.3	108.5
32.5°	247.0	142.2	123.5	101.1	97.3	89.8	86.1	82.3	86.1	89.8	93.6
35°	198.4	131.0	116.0	97.3	89.8	82.3	78.6	71.1	71.1	71.1	74.9
37.5°	160.9	119.8	104.8	86.1	78.6	71.1	67.4	59.9	59.9	59.9	59.9
40°	142.2	112.3	97.3	78.6	71.1	59.9	56.1	48.7	48.7	44.9	44.9
42.5°	123.5	101.1	86.1	67.4	59.9	52.4	44.9	37.4	37.4	33.7	33.7
45°	116.0	93.6	78.6	63.6	52.4	41.2	37.4	29.9	29.9	26.2	26.2
47.5°	112.3	89.8	74.9	56.1	44.9	33.7	29.9	22.5	22.5	22.5	22.5
50°	104.8	82.3	67.4	48.7	41.2	29.9	26.2	18.7	18.7	18.7	18.7
52.5°	101.1	78.6	59.9	41.2	33.7	22.5	18.7	15.0	15.0	15.0	15.0
55°	97.3	82.3	59.9	37.4	29.9	18.7	15.0	11.2	11.2	11.2	11.2
57.5°	93.6	78.6	56.1	29.9	22.5	15.0	11.2	7.5	7.5	7.5	7.5
60°	82.3	67.4	44.9	22.5	18.7	11.2	7.5	3.7	7.5	7.5	7.5
62.5°	71.1	52.4	37.4	18.7	15.0	7.5	7.5	3.7	7.5	7.5	7.5
65°	52.4	41.2	29.9	15.0	11.2	3.7	3.7	3.7	7.5	7.5	7.5
67.5°	41.2	29.9	22.5	11.2	7.5	3.7	3.7	3.7	7.5	7.5	7.5
70°	29.9	22.5	15.0	7.5	7.5	3.7	3.7	3.7	7.5	7.5	7.5
72.5°	22.5	15.0	11.2	7.5	7.5	3.7	7.5	7.5	7.5	7.5	7.5
75°	*18.7*	*15.0*	*11.2*	*7.5*	*7.5*	*3.7*	*7.5*	*7.5*	*11.2*	*11.2*	*11.2*
77.5°	18.7	11.2	11.2	7.5	7.5	3.7	7.5	11.2	11.2	11.2	11.2
80°	18.7	11.2	11.2	7.5	7.5	3.7	7.5	11.2	11.2	11.2	11.2
82.5°	18.7	11.2	11.2	7.5	7.5	3.7	7.5	11.2	11.2	11.2	11.2
85°	11.2	11.2	11.2	11.2	7.5	3.7	11.2	15.0	15.0	11.2	11.2
87.5°	7.5	7.5	11.2	11.2	7.5	3.7	11.2	15.0	15.0	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	2455.3	2455.3	2455.3	2455.3
2.5°	1762.9	1744.2	1721.7	1766.6
5°	1325.0	1310.0	1295.0	1321.2
7.5°	786.0	789.7	789.7	748.6
10°	587.6	553.9	516.5	516.5
12.5°	291.9	269.5	247.0	243.3
15°	209.6	213.3	217.1	217.1
17.5°	205.9	198.4	187.1	179.7
20°	183.4	190.9	194.6	194.6
22.5°	160.9	157.2	149.7	149.7
25°	160.9	164.7	168.4	168.4
27.5°	123.5	123.5	119.8	119.8
30°	119.8	119.8	119.8	119.8
32.5°	93.6	97.3	97.3	97.3
35°	78.6	78.6	78.6	78.6
37.5°	59.9	59.9	59.9	56.1
40°	44.9	44.9	44.9	44.9
42.5°	33.7	33.7	33.7	33.7
45°	26.2	26.2	26.2	26.2
47.5°	22.5	22.5	18.7	18.7
50°	15.0	15.0	15.0	15.0
52.5°	11.2	11.2	11.2	11.2
55°	7.5	7.5	7.5	7.5
57.5°	7.5	7.5	7.5	7.5
60°	3.7	3.7	3.7	3.7
62.5°	3.7	3.7	3.7	3.7
65°	3.7	3.7	3.7	3.7
67.5°	3.7	3.7	3.7	3.7
70°	3.7	3.7	3.7	3.7
72.5°	7.5	7.5	3.7	3.7
75°	*7.5*	*7.5*	*3.7*	*3.7*
77.5°	7.5	7.5	3.7	3.7
80°	7.5	7.5	3.7	3.7
82.5°	7.5	7.5	3.7	3.7
85°	7.5	7.5	7.5	3.7
87.5°	7.5	7.5	7.5	3.7
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)